

## Claims

1. A method for analysing an input signal having an input frequency-bandwidth, the method comprising
  - 5 - providing at least one frequency-bandwidth limited portion of the input signal,
  - determining, for each of the at least one frequency-bandwidth limited portion of the input signal, durations of a predetermined number of half-periods and signal excursions during respective predetermined number of deter-
  - 10 mined half-periods, and
  - determining, based on the signal excursions and corresponding half-periods, a quality of the input signal.
2. A method according to claim 1 wherein the signal excursions are deter-
- 15 mined as peak-to-peak values.
3. A method according to claim 1 comprising rectifying each of the at least one frequency-bandwidth limited portion of the input signal, and determining the signal excursions as the signal excursion between two consecutive ze-
- 20 roes.
4. A method according to claim 1 wherein the input signal is a speech signal, and the quality is a vowel.
- 25 5. A method according to claim 1 wherein the input signal is generated by an industrial product, and the quality is related to a condition of the industrial product.
6. A method according to claim 1 wherein the input signal is a physiological
- 30 signal in a human or animal body such as a nerve signal.

7. A method according to claim 1 wherein the predetermined number of half-periods is one half-period.